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<110> ImmunoGen, Inc.
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<130> A8427
<150> US 60/424,332
<151> 2002-11-07
<160> 94
<170> PatentIn version 3.2
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Gly Val Ile Tyr Pro Gly Asn Asp Asp Ile Ser Tyr Asn Gln Lys Phe
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Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr

2/34

75

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Thr Val Thr Val Ser Ser 115

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Ser Ser Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Ile Pro Gly Gln 35 40

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 70

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Arg

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Tyr Ile His Trp Ile Lys Gln Thr Pro Gly Gln Gly Leu Glu Trp Val 35 40 45

Gly Val Ile Tyr Pro Gly Asn Asp Asp Ile Ser Tyr Asn Gln Lys Phe 50 55 60

Gln Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 65 70 75 80

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Ala Arg Glu Val Arg Leu Arg Tyr Phe Asp Val Trp Gly Gln Gly Thr 100 105 110

Thr Val Thr Val Ser Ser 115

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<400> 10

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Glu Arg Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Phe Phe Ser 20 25 30

Ser Ser Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Ile Pro Gly Gln 35 40 45

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75
Ile Ser Ser Val Gln Pro Glu Asp Leu Ala Ile Tyr Tyr Cys His Gln
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Glu Lys Val Thr Met Ser Cys
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<211>
<212> PRT
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Gly Met Thr Ser Ala Cys Met Cys Ala Arg Trp Cys Thr Met Cys Ala
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<211> 23
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Lys Leu Ieu Tyr Trp Ala Ser Thr Arg Glu
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Ala Lys Thr
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354

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Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
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Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
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Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gl
n Ala Glu Asp Leu Ala Val Tyr Tyr Cys His Gl
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Tyr Leu Ser

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<211> 96

<212> PRT

<213> Mus musculus

<400> 61

Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr Trp 20 25 30

Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly 35 40 45

Arg Ile His Pro Ser Asp Ser Asp Thr Asn Tyr Asn Gln Lys Phe Lys 50 55 60

Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr Met 65 70 75 80

Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala 85 90 95

<210> 62

<211> 114

<212> PRT

<213> Mus musculus

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Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Phe Phe Ser 20 25 30

Ser Ser Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Ile Pro Gly Gln 17/34

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gl
n Ser Glu Asp Leu Ala Ile Tyr Tyr Cys His Gl
n 85 90 95

Tyr Leu Ser Ser Arg Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys 100 105 110

Arg Ala

<210> 63

<211> 115

<212> PRT

<213> Mus musculus

<400> 63

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Glu Lys Val Thr Met Thr Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser 20 25 30

Ser Asn Gln Met Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Glu Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln 85 90 95

Tyr His Ser Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile

Lys Arg Ala 115 <210> 64

<211> 115

<212> PRT

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Glu Lys Val Thr Met Ser Cys Thr Ser Ser Gln Ser Leu Phe Asn Ser 20 25 30

Gly Lys Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Val Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn 85 90 95

Asp Tyr Ser Asn Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Leu 100 105 110

Lys Arg Ala 115

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<213> Mus musculus

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Glu Lys Val Thr Met Thr Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser 20 25 30

Gly Ala Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser 65 70 75 80

Ile Ser Gly Val Gl
n Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gl
n Asn 85 90 95

Asn Tyr Asn Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu 100 105 110

Lys Arg Ala 115

<210> 66

<211> 115

<212> PRT

<213> Mus musculus

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Glu Lys Val Thr Met Thr Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser 20 25 30

Arg Thr Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser 65 70 75 80

Ile Ser Gly Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn 85 90 95

Asn Tyr Asn Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu 100 105 110

Lys Arg Ala 115

<210> 67

<211> 115

<212> PRT

<213> Mus musculus

<400> 67

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Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Phe Asn Ser 20 25 30

Gly Lys Arg Lys Asn Phe Leu Thr Trp Tyr His Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Thr Ser Val Gln Ala Glu Asp Leu Ala Ile Tyr Tyr Cys Gln Asn 85 90 95

Asp Tyr Ser His Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu 100 105 110

Lys Arg Ala 115

<210> 68

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Gly Asn Gln Lys Asn Phe Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Leu Leu Ile Tyr Gly Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr

Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Asn

Asp His Ser Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Ile 100 105

Lys Arg Ala 115

<210> 69 <211> 113

<212> PRT

<213> Mus musculus

<400> 69

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Gln Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ile 25 20

Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 40 35

Ser Pro Lys Leu Leu Val Tyr Phe Ala Ser Thr Arg Glu Ser Gly Val 50 55

Pro Asp Arg Phe Ile Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 70

Ile Ser Ser Val Gln Ala Glu Asp Gln Ala Asp Tyr Phe Cys Gln Gln 90

His Tyr Arg Ala Pro Arg Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile

Lys

<210> 70

<211> 114

<212> PRT

<213> Mus musculus

<400> 70

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Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser 20 25 30

Ser Asn Ser Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val 50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln 85 90 95

Tyr Tyr Ser Thr Pro Tyr Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile 100 105 110

Lys Arg

<210> 71

<211> 113

<212> PRT

<213> Mus musculus

<400> 71

Asp Ile Val Met Thr Gln Ser Pro Ser Ser Leu Thr Val Thr Ala Gly
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Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Leu Leu Asn Ser 20 25 30

Gly Asn Gln Lys Asn Tyr Leu Thr Trp Tyr Gln Gln Lys Pro Gly Gln 35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val

Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr 65 70 75 80

Ile Ser Ser Val Gl
n Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gl
n Asn 85 90 95

Asp Tyr Ser Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Pro 100 105 110

Gly

<210> 72

<211> 109

<212> PRT

<213> Mus musculus

<400> 72

Asp Ile Val Met Thr Gln Ser Pro Lys Phe Met Ser Thr Ser Val Gly $1 \hspace{1cm} 5 \hspace{1cm} 10 \hspace{1cm} 15$

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Val Ser Thr Ala 20 25 30

Val Val Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile 35 40 45

Tyr Trp Ala Ser Thr Arg His Ile Gly Val Pro Asp Arg Phe Ala Gly 50 60

Ser Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Ser Val Gln Ala 65 70 75 80

Glu Asp Leu Ala Leu Tyr Tyr Cys Gln Gln His Tyr Ser Pro Pro Trp 85 90 95

Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala 100 105

<210> 73

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<213> Mus musculus

<400> 73

Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Val Val Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Met 20 Ser Cys Lys Ala Ser 25 Gly Tyr Thr Phe Thr 30 Ser Tyr 30 Ser Tyr 31 Ile His 35 Trp Ile Lys Gln Thr 40 Pro Gly Gln Gly Leu Glu Trp Val 45 Gly Val Ile Tyr Pro Gly Asn Asp Asp Ile Ser Tyr Asn Gln Lys Phe 50 Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 80 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 95 Ala Arg Leu Arg Tyr Phe Asp Val Trp Gly Ala Gly Thr 110 Gly Thr

Thr Val Thr Val Ser 115

<210> 74 <211> 116 <212> PRT <213> Mus musculus

<400> 74

Gln Ile Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Arg Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr 20 25 30

Tyr Ile His Trp Val Lys Gln Arg Pro Gly Glu Gly Leu Glu Trp Ile $35 \hspace{1cm} 40 \hspace{1cm} 45$

Gly Trp Ile Tyr Pro Gly Ser Gly Asn Thr Lys Tyr Asn Glu Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys 85 90 95

Ala Arg Gly Gly Lys Phe Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser 25/34

Val Thr Val Ser 115

<210> 75

<211> 119

<212> PRT

<213> Mus musculus

<400> 75

Gln Ile Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr 20 25 30

Tyr Ile Asn Trp Met Lys Gln Lys Pro Gly Gln Gly Leu Glu Trp Ile 35 40 45

Gly Trp Ile Asp Pro Gly Ser Gly Asn Thr Lys Tyr Asn Glu Lys Phe 50 60

Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Phe Cys 85 90 95

Ala Arg Glu Lys Thr Thr Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln 100 105 110

Gly Thr Ser Val Thr Val Ser 115

<210> 76

<211> 118

<212> PRT

<213> Mus musculus

<400> 76

Gln Gly Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly Ser 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe Ser Ser Phe 20 25 30 Trp Val Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile 35 40 45

Gly Gln Ile Tyr Pro Gly Asp Gly Asp Asn Lys Tyr Asn Gly Lys Phe 50 55 60

Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr Thr Ala Tyr 65 70 75 80

Met Gln Leu Tyr Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys 85 90 95

Ala Arg Ser Gly Asn Tyr Pro Tyr Ala Met Asp Tyr Trp Gly Gln Gly 100 105 110

Thr Ser Val Thr Val Ser 115

<210> 77

<211> 113

<212> PRT

<213> Mus musculus

<400> 77

Val Lys Leu Gl
n Glu Ser Gly Ala Glu Leu Ala Arg Pro Gly Ala Ser 1
 10 15

Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Tyr Thr 20 25 30

Ile His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly 35 40 45

Tyr Ile Asn Pro Ser Ser Val Tyr Thr Asn Tyr Asn Gln Arg Phe Lys 50 55 60

Asp Lys Ala Thr Leu Thr Arg Asp Arg Ser Ser Asn Thr Ala Asn Ile 65 70 75 80

His Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val Tyr Tyr Cys Val 85 90 95

Arg Glu Gly Glu Val Pro Tyr Trp Gly Gln Gly Thr Thr Val Thr Val 100 105 110

Ser

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<210> 78
<211> 113
<212> PRT
<213> Mus musculus
<220>
<221> MISC FEATURE
<222>
       (1)..(1)
<223>
       "X" may be any amino acid
<400> 78
Xaa Val Gln Leu Gln Gln Ser Asp Ala Glu Leu Val Lys Pro Gly Ala
Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp His
Ala Ile His Trp Ala Lys Gln Lys Pro Glu Gln Gly Leu Glu Trp Ile
Gly Tyr Ile Ser Pro Gly Asn Asp Asp Ile Lys Tyr Asn Glu Lys Phe
Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr
Met Gln Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys
               85
Lys Arg Ser Tyr Tyr Gly His Trp Gly Gln Gly Thr Thr Leu Thr Val
           100
                                105
Ser
```

<210> 79 <211> 118 <212> PRT <213> Mus musculus <400> 79

Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser 5 15

Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr Trp 20 25 30

Met His Trp Val Lys Gln Arg Pro Gly Arg Gly Leu Glu Trp Ile Gly 35 40 45

Arg Ile Asp Pro Asn Ser Gly Gly Thr Lys Tyr Asn Glu Lys Phe Lys 50 55 60

Ser Lys Ala Thr Leu Thr Val Asp Lys Pro Ser Ser Thr Ala Tyr Met 70 75 80

Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala 85 90 95

Arg Tyr Asp Tyr Tyr Gly Ser Ser Tyr Phe Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser 115

<210> 80

<211> 114

<212> PRT

<213> Mus musculus

<400> 80

Gln Leu Gln Gln Ser Gly Thr Val Leu Ala Arg Pro Gly Ala Ser Val
1 5 10 15

Lys Met Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Arg Tyr Trp Met $20 \hspace{1cm} 25 \hspace{1cm} 30$

His Trp Ile Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Ala 35 40 45

Ile Tyr Pro Gly Asn Ser Asp Thr Ser Tyr Asn Gln Lys Phe Glu Gly
50 55 60

Lys Ala Lys Leu Thr Ala Val Thr Ser Ala Ser Thr Ala Tyr Met Glu 70 75 80

Leu Ser Ser Leu Thr His Glu Asp Ser Ala Val Tyr Tyr Cys Ser Arg 85 90 95

Asp Tyr Gly Tyr Tyr Phe Asp Phe Trp Gly Gln Gly Thr Thr Leu Thr 29/34

Val Ser

<210> 81

<211> 116

<212> PRT

<213> Mus musculus

<400> 81

Glu Val Gln Leu Gln Gln Ser Gly Pro Asp Leu Val Lys Pro Gly Ala 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Thr Tyr 20 25 30

Tyr Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile 35 40 45

Gly Arg Val Asp Pro Asp Asn Gly Gly Thr Ser Phe Asn Gln Lys Phe 50 55 60

Lys Gly Lys Ala Ile Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Glu Leu Gly Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 85 90 95

Ala Arg Arg Asp Asp Tyr Tyr Phe Asp Phe Trp Gly Gln Gly Thr Ser 100 105 110

Leu Thr Val Ser 115

<210> 82

<211> 119

<212> PRT

<213> Mus musculus

<400> 82

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Met Lys Pro Gly Ala
1 10 15

Ser Val Lys Ile Ser Cys Lys Ala Thr Gly Tyr Thr Phe Ser Ser Phe $20 \hspace{1cm} 25 \hspace{1cm} 30$

Trp Ile Glu Trp Val Lys Gln Arg Pro Gly His Gly Leu Glu Trp Ile 35 40 45

Gly Glu Ile Leu Pro Gly Ser Gly Gly Thr His Tyr Asn Glu Lys Phe 50 60

Lys Gly Lys Ala Thr Phe Thr Ala Asp Lys Ser Ser Asn Thr Ala Tyr 65 70 75 80

Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys 85 90 95

Ala Arg Gly His Ser Tyr Tyr Phe Tyr Asp Gly Asp Tyr Trp Gly Gln 100 105 110

Gly Thr Ser Val Thr Val Ser 115

<210> 83

<211> 123

<212> PRT

<213> Mus musculus

<400> 83

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Ala Gly Ser 1 5 10 15

Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr 20 25 30

Gly Val Asn Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile 35 40 45

Gly Tyr Ile Asn Pro Gly Lys Gly Tyr Leu Ser Tyr Asn Glu Lys Phe 50 60

Lys Gly Lys Thr Thr Leu Thr Val Asp Arg Ser Ser Ser Thr Ala Tyr 65 70 75 80

Met Gln Leu Arg Ser Leu Thr Ser Glu Asp Ala Ala Val Tyr Phe Cys 85 90 95

Ala Arg Ser Phe Tyr Gly Gly Ser Asp Leu Ala Val Tyr Tyr Phe Asp 100 105 110

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Ser Trp Gly Gln Gly Thr Thr Leu Thr Val Ser
        115
                            120
<210> 84
<211> 21
<212> PRT
<213> Homo sapien
<400> 84
Asn Met Thr Ser Ala Lys Pro Gly Gln Lys Gly Asp Ser Asp Ser Glu
                                    10
Gly Lys Lys Arg Ala
<210> 85
<211> 21
<212> PRT
<213> Homo sapien
<400> 85
Asp Gln Thr Ser Val Arg Pro Gly Glu Lys Gly Ser Ser Asp Pro Glu
                                    10
Gly Lys Lys Arg Thr
           20
<210> 86
<211> 20
<212> PRT
<213> Homo sapien
<400> 86
Asp Val Thr Ser Val Arg Pro Gly Lys Lys Gly Ser Ser Asp Pro Glu
Gly Lys Lys Arg
<210> 87
<211> 21
<212> PRT
<213> Homo sapien
<400> 87
Asp Gln Thr Ser Val Arg Pro Gly Lys Lys Gly Ser Ser Asp Pro Glu
                5
                                    10
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Gln Lys Lys Arg Thr
            20
<210> 88
<211> 20
<212> PRT
<213> Homo sapien
<400> 88
Glu Val Thr Gly Pro Arg Pro Gly Gln Arg Gly Asp Ser Asp Pro Glu
                                10
Gln Lys Lys Arg
     20
<210> 89
<211> 20
<212> PRT
<213> Homo sapien
<400> 89
Asp Val Thr Leu Leu Pro Pro Gly Gln Arg Gly Asp Ala Asp Ala Glu
Gln Lys Lys Arg
          20
<210> 90
<211> 24
<212> PRT
<213> Homo sapien
<400> 90
Gln Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Lys
Gly Lys Ser Ser Ser Glu Ala Ser
           20
<210> 91
<211> 24
<212> PRT
<213> Homo sapien
<400> 91
Gln Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln
                5
```

```
<210> 92
<211> 24
<212> PRT
<213> Homo sapien
<400> 92
Gln Gln Ala Ala Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln 1 	 5 	 10 	 15
Gly Gly Ser Ser Ser Glu Gln Ser
         20
<210> 93
<211> 24
<212> PRT
<213> Homo sapien
<400> 93
Gln Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln
Gly Thr Ser Ser Ser Glu Gln Ser
           20
<210> 94
<211> 23
<212> PRT
<213> Homo sapien
<400> 94
Gln Ala Val Lys Pro Gly Lys Gly Thr Pro Gly Gln Gln Lys Gln Gly
                                     10
```

Gly Thr Pro Ser Ser Glu Lys Ser

1/24

Lys Ser Ser Ser Glu Gln Ser 20